

=> s gaagcctattctgcaaagattgc/sqsn
L1 24 GAAGCCTATTCTGCAAAGATTGC/SQSN

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=> s l1
L2 17 L1

=> d 1-17 ti

L2 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2002 ACS
TI Methods and compositions for diagnosing and treating rheumatoid arthritis

L2 ANSWER 2 OF 17 CAPLUS COPYRIGHT 2002 ACS
TI Measurement of DNA methylation for analysis of the toxicology of substances

L2 ANSWER 3 OF 17 CAPLUS COPYRIGHT 2002 ACS
TI Cancer gene determination and therapeutic screening using signature gene sets

L2 ANSWER 4 OF 17 CAPLUS COPYRIGHT 2002 ACS
TI Gene expression profiles in hepatocellular carcinoma and metastatic liver cancer

L2 ANSWER 5 OF 17 CAPLUS COPYRIGHT 2002 ACS
TI Gene expression profiles in granulocytic cells and in neutrophils exposed to Escherichia coli and/or Yersinia pestis

L2 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2002 ACS
TI Nucleic acid compositions, kits, and methods for identification, assessment, prevention, and therapy of human breast cancer

L2 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2002 ACS
 TI Human stress genes identified using DNA microarrays

L2 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2002 ACS
 TI Genetic polymorphisms in genes associated with drug metabolism and their use in selecting drug therapies

L2 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2002 ACS
 TI Genes differentially expressed in human foam cell differentiation

L2 ANSWER 10 OF 17 CAPLUS COPYRIGHT 2002 ACS
 TI Nucleic acid compositions, kits, and methods for identification, assessment, prevention, and therapy of human breast cancer

L2 ANSWER 11 OF 17 CAPLUS COPYRIGHT 2002 ACS
 TI Nucleic acid markers useful for the identification, assessment, prevention and therapy of human cancers

L2 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2002 ACS
 TI Differential gene expression in mesothelioma

L2 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2002 ACS
 TI Quantitation of dihydropyrimidine dehydrogenase expression by real-time reverse transcription polymerase chain reaction

L2 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2002 ACS
 TI cDNA cloning of bovine liver dihydropyrimidine dehydrogenase

L2 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2002 ACS
 TI Cloning and expression of a cDNA for human dihydropyrimidine dehydrogenase and its use in preventing reactions to 5-fluorouracil

L2 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2002 ACS
 TI Dihydropyrimidine dehydrogenase compositions and methods of use for fluorouracil dose optimization in cancer treatment and for immunoassay

L2 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2002 ACS
 TI cDNA cloning and chromosome mapping of human dihydropyrimidine dehydrogenase, an enzyme associated with 5-fluorouracil toxicity and congenital thymine uraciluria

=> d 4, 15 bib ab

L2 ANSWER 4 OF 17 CAPLUS COPYRIGHT 2002 ACS
 AN 2002:276203 CAPLUS
 DN 136:290017
 TI Gene expression profiles in hepatocellular carcinoma and metastatic liver cancer
 IN Horne, Darci; Alvares, Christopher; Peres da Silva, Supriya; Vockley, Joseph G.
 PA Gene Logic, Inc., USA
 SO PCT Int. Appl., 298 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002029103	A2	20020411	WO 2001-US30589	20011002
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
 PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
 US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI US 2000-237054P P 20001002

AB The present invention identifies the global changes in gene expression assocd. with liver cancer by examg. gene expression in tissue from normal liver, metastatic malignant liver and hepatocellular carcinoma (HCC). Gene signatures were obtained by hybridizing cDNA from liver samples mRNA onto the Affymetrix HuGeneFl array and the Human Hu35k set of arrays. There are 8479 genes and ESTs in the pos. Gene Signature for the HCC tumors, and a total of 23,233 genes and ESTs are included in the neg. Gene Signature of the HCC samples (e.g., all the genes that have been completely turned off during tumorigenesis, as well as those genes that are not usually expressed in liver tissue). A differential comparison of the genes and ESTs expressed in the normals and the two different types of liver tumors identifies a subset of the genes included in the pos. Gene Signatures that are uniquely expressed in each sample set. A no. of the tumor-expressing genes are closely examd. to det. if their expression patterns correlate with previous reports published in the literature, and to define a logical relationship between the gene and hepatocarcinogenesis. The present invention also identifies expression profiles which serve as useful diagnostic markers as well as markers that can be used to monitor disease states, disease progression, drug toxicity, drug efficacy and drug metab.

L2 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2002 ACS

AN 1996:357140 CAPLUS

DN 125:29119

TI Cloning and expression of a cDNA for human dihydropyrimidine dehydrogenase and its use in preventing reactions to 5-fluorouracil

IN Gonzalez, Frank J.; Fernandez-Salguero, Pedro

PA United States Dept. of Health and Human Services, USA

SO PCT Int. Appl., 78 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9608568	A2	19960321	WO 1995-US12016	19950907
	WO 9608568	A3	19960517		
	W:		AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM		
	RW:		KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG		
	US 5856454	A	19990105	US 1994-304309	19940912
	CA 2199808	AA	19960321	CA 1995-2199808	19950907
	AU 9536801	A1	19960329	AU 1995-36801	19950907
	AU 690347	B2	19980423		
	EP 784687	A2	19970723	EP 1995-934477	19950907
	R:		AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE		
	US 6015673	A	20000118	US 1997-991942	19971216
PRAI	US 1994-304309	A	19940912		
	WO 1995-US12016	W	19950907		

AB Methods and compns. that are useful for detecting deficiencies in dihydropyrimidine dehydrogenase (DPD) levels in mammals including humans are described. Cancer patients having a DPD deficiency are at risk of a severe toxic reaction to the commonly used anticancer agent 5-fluorouracil (5-FU). DPD genes from human and pig are cloned and characterized and PCR methods and primers for detecting the level of DPD mRNA in a patient are designed. Also claimed are methods for expressing DPD genes in transgenic organisms. Expression vectors that employ a DPD nucleic acid as a selectable marker are also claimed. This selectable marker functions in both prokaryotes and eukaryotes. The pig cDNA was cloned from a liver expression library in .lambda.gt11 by antibody screening. Mapping of the human gene and expression of the swine cDNA in Escherichia coli using a trp-lac promoter are demonstrated. The enzyme manufd. in E. coli used the same ping-pong mechanism as the native swine liver enzyme. One case of DPD deficiency in human was found to be due to deletion of an exon.